FIG. 1

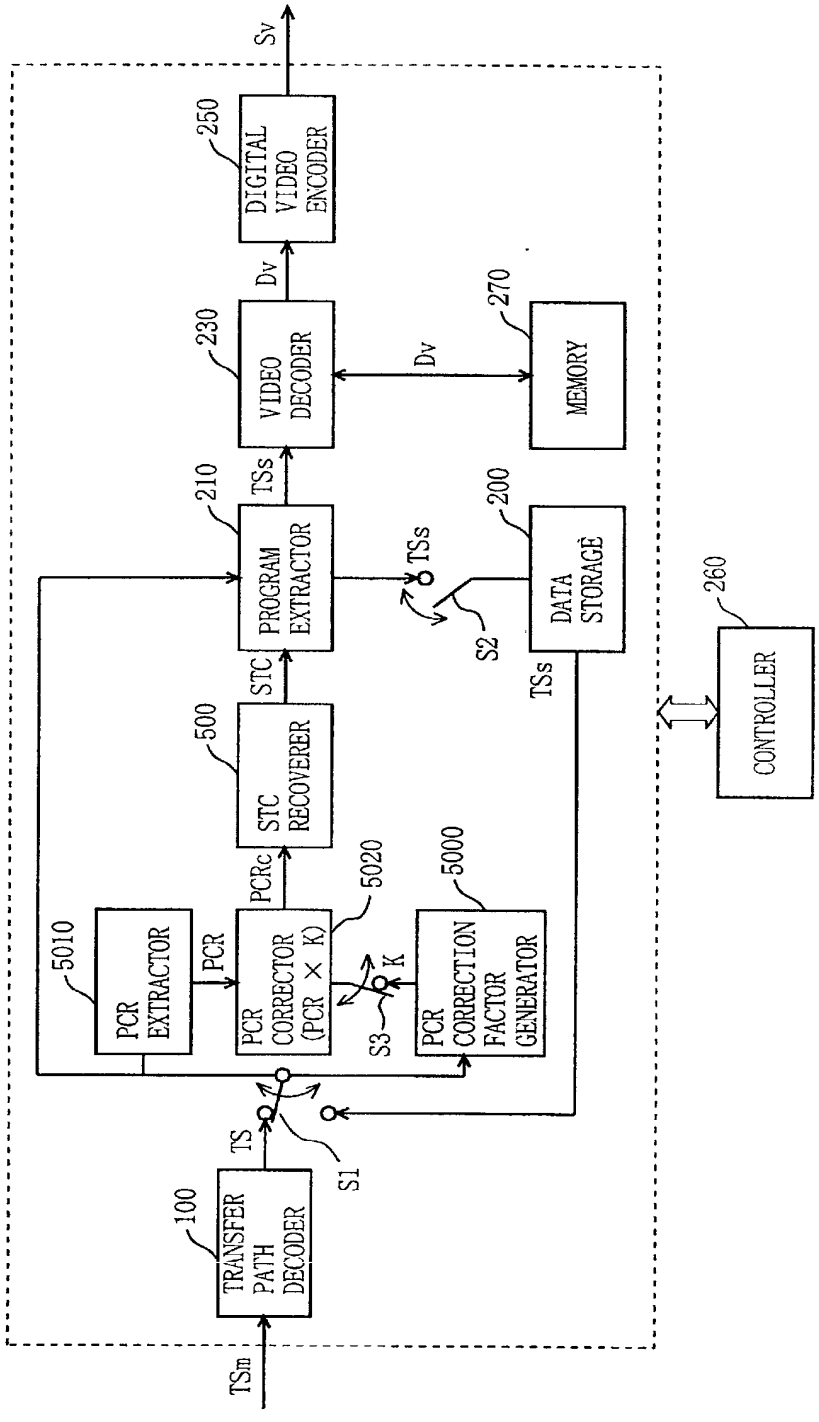

SDR1
TSm
TRANSFER PATH DECODER
100
TS
S1
PCR EXTRACTOR
5010
PCR
PCR CORRECTOR (PCR × K)
5020
PCRc
K
S3
PCR CORRECTION FACTOR GENERATOR
5000
STC RECOVERER
500
STC
PROGRAM EXTRACTOR
210
TSs
S2
DATA STORAGE
200
TSs
VIDEO DECODER
230
Dv
MEMORY
270
DIGITAL VIDEO ENCODER
250
Sv
CONTROLLER
260

FIG. 2

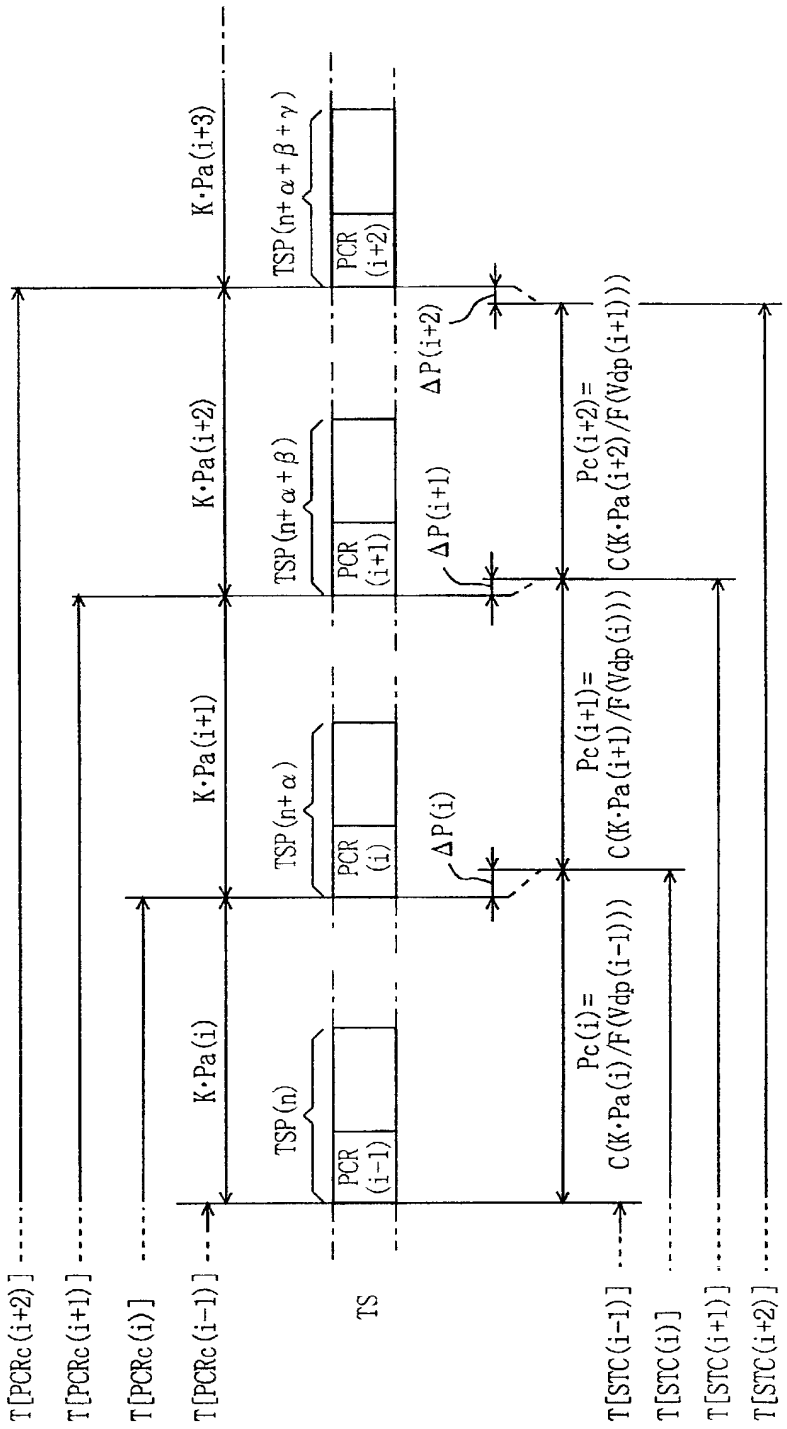

T[PCRc(i+2)]
T[PCRc(i+1)]
T[PCRc(i)]
T[PCRc(i-1)]
K·Pa(i)
K·Pa(i+1)
K·Pa(i+2)
K·Pa(i+3)
TSP(n)
TSP(n+α)
TSP(n+α+β)
TSP(n+α+β+γ)
PCR(i-1)
PCR(i)
PCR(i+1)
PCR(i+2)
TS
ΔP(i)
ΔP(i+1)
ΔP(i+2)
Pc(i)=C(K·Pa(i)/F(Vdp(i-1)))
Pc(i+1)=C(K·Pa(i+1)/F(Vdp(i)))
Pc(i+2)=C(K·Pa(i+2)/F(Vdp(i+1)))
T[STC(i-1)]
T[STC(i)]
T[STC(i+1)]
T[STC(i+2)]

FIG. 3

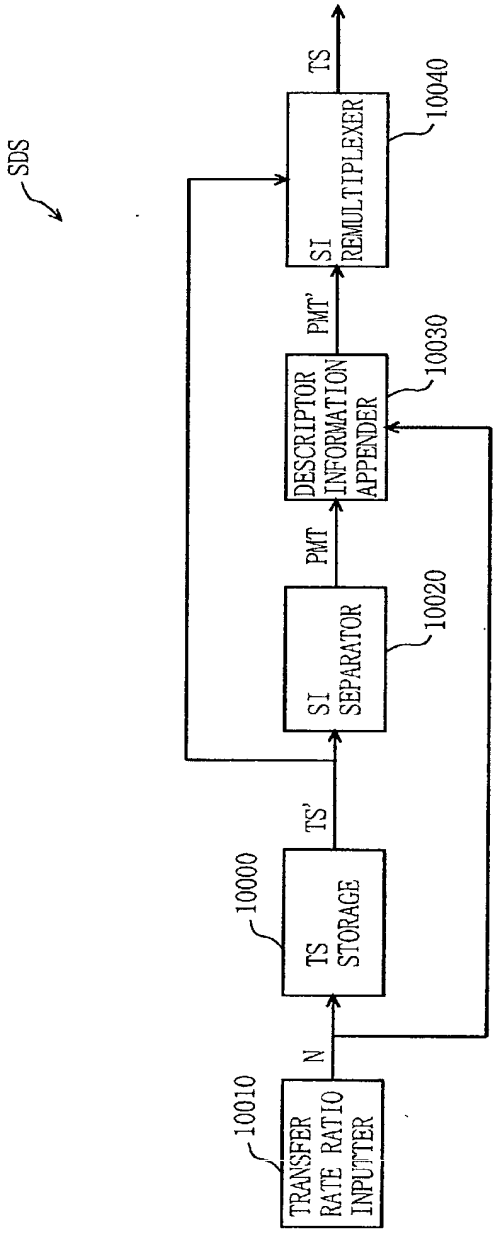

SDS
10010
TRANSFER RATE RATIO INPUTTER
N
10000
TS STORAGE
TS'
10020
SI SEPARATOR
PMT
10030
DESCRIPTOR INFORMATION APPENDER
PMT'
10040
SI REMULTIPLEXER
TS

FIG. 4

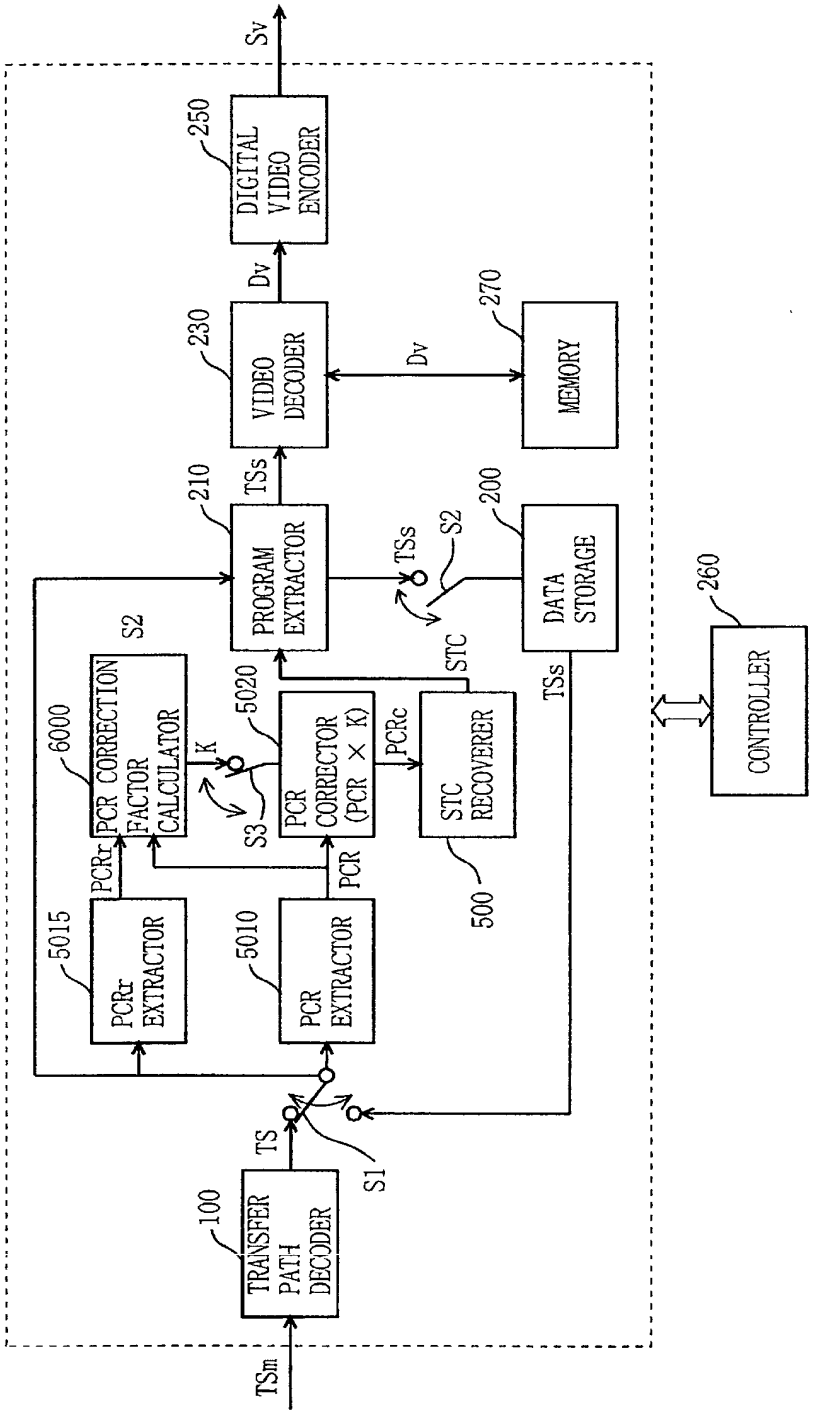

SDR2
TSm
TRANSFER PATH DECODER
100
TS
S1
PCR EXTRACTOR
5010
PCRr EXTRACTOR
5015
PCR
PCRr
PCR CORRECTION FACTOR CALCULATOR
6000
S2
K
S3
PCR CORRECTOR (PCR × K)
5020
PCRc
STC RECOVERER
500
STC
PROGRAM EXTRACTOR
210
TSs
VIDEO DECODER
230
Dv
DIGITAL VIDEO ENCODER
250
Sv
TSs
S2
DATA STORAGE
200
TSs
Dv
MEMORY
270
CONTROLLER
260

FIG. 5

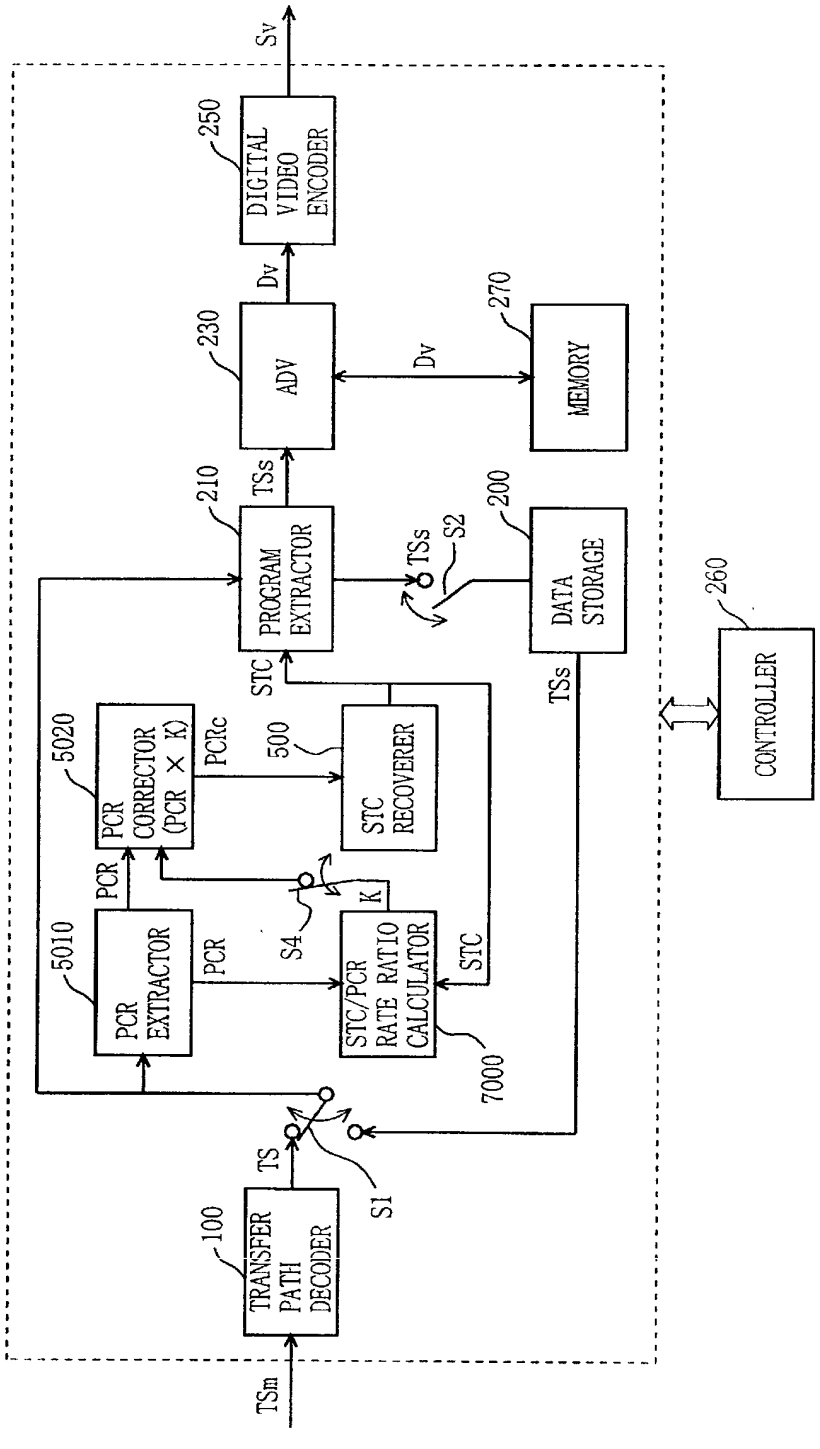

SDR3
TSm
100
TRANSFER PATH DECODER
TS
S1
5010
PCR EXTRACTOR
PCR
5020
PCR CORRECTOR (PCR × K)
PCRc
S4
K
STC/PCR RATE RATIO CALCULATOR
7000
STC
500
STC RECOVERER
STC
210
PROGRAM EXTRACTOR
TSs
S2
200
DATA STORAGE
TSs
230
ADV
Dv
270
MEMORY
Dv
250
DIGITAL VIDEO ENCODER
Sv
260
CONTROLLER

FIG. 6

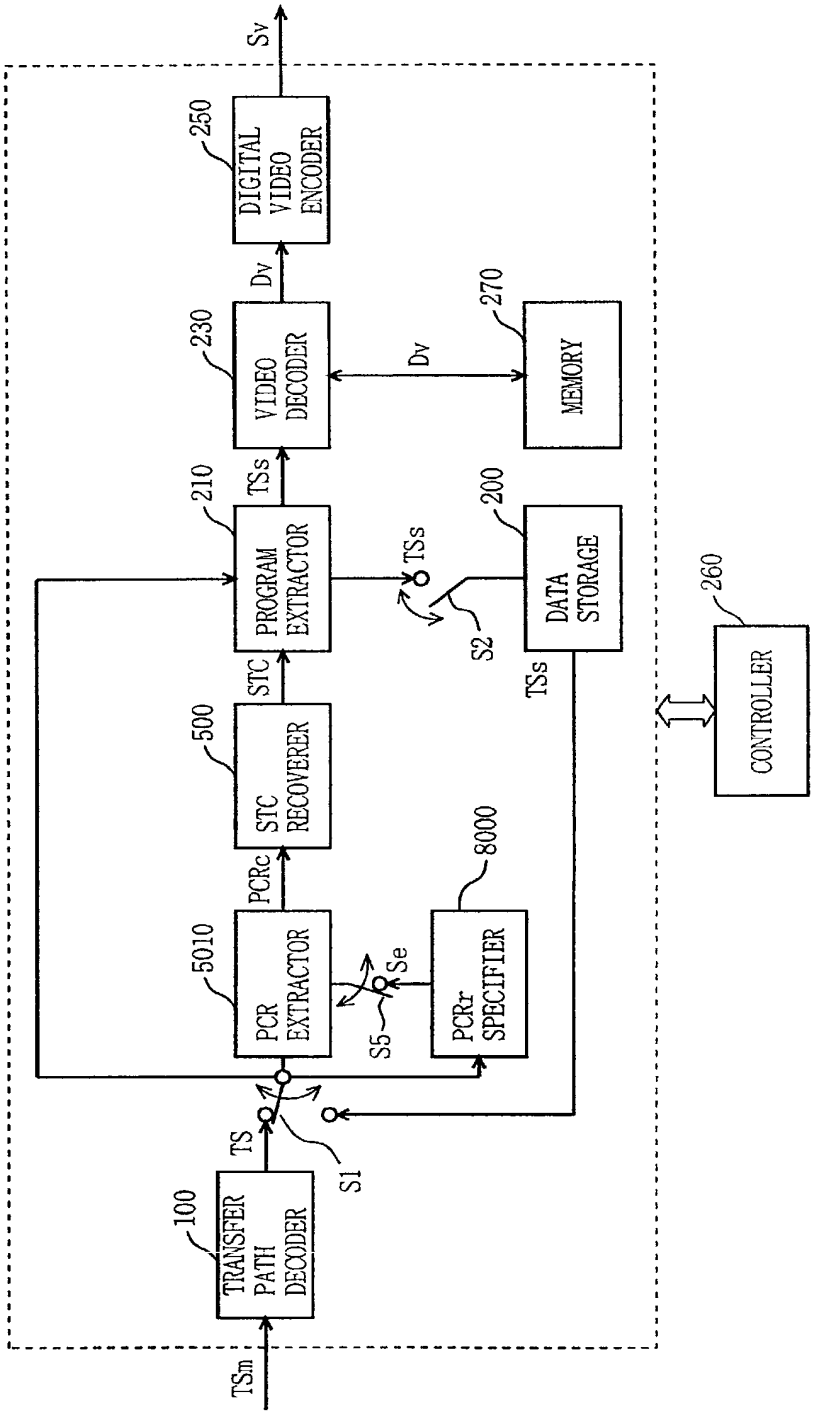

SDR4
TSm
100
TRANSFER PATH DECODER
TS
S1
5010
PCR EXTRACTOR
PCRc
500
STC RECOVERER
STC
210
PROGRAM EXTRACTOR
TSs
230
VIDEO DECODER
Dv
250
DIGITAL VIDEO ENCODER
Sv
Se
S5
8000
PCRr SPECIFIER
S2
200
DATA STORAGE
270
MEMORY
260
CONTROLLER

FIG. 7

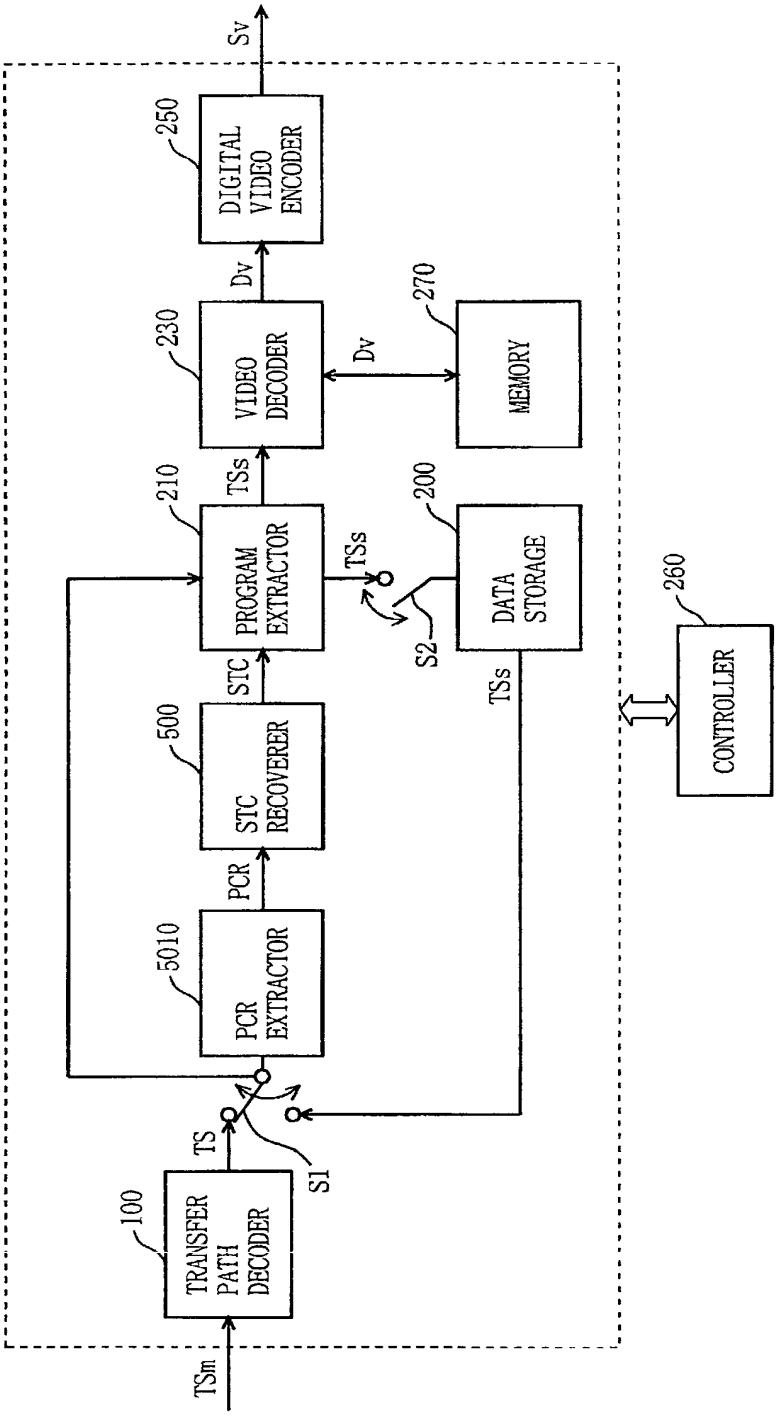
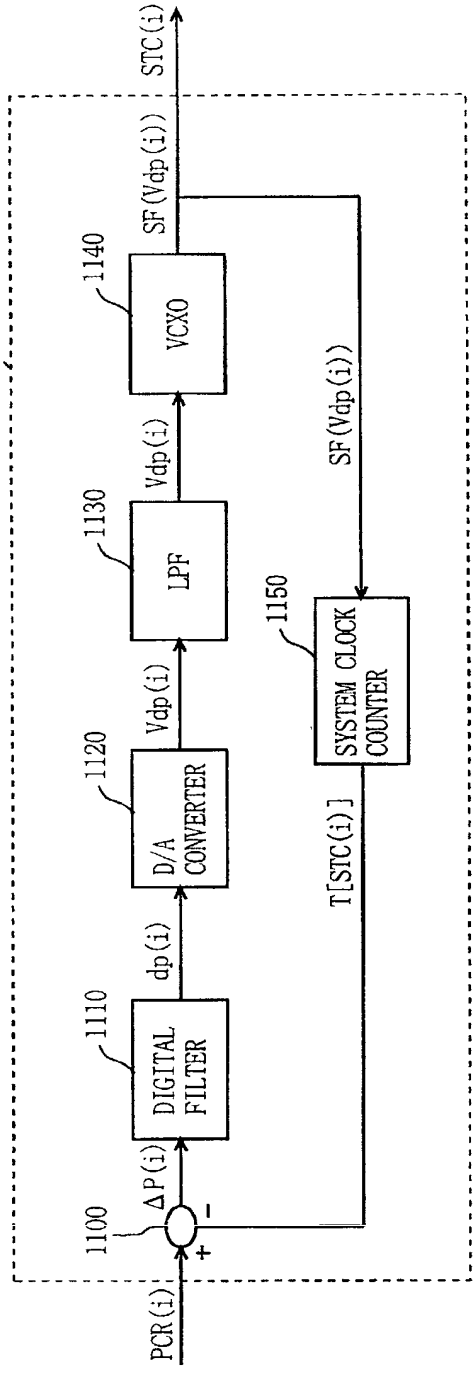

SDRc
TSm
100
TRANSFER PATH DECODER
TS
S1
5010
PCR EXTRACTOR
PCR
500
STC RECOVERER
STC
210
PROGRAM EXTRACTOR
TSs
S2
200
DATA STORAGE
TSs
TSs
230
VIDEO DECODER
Dv
270
MEMORY
Dv
250
DIGITAL VIDEO ENCODER
Sv
260
CONTROLLER

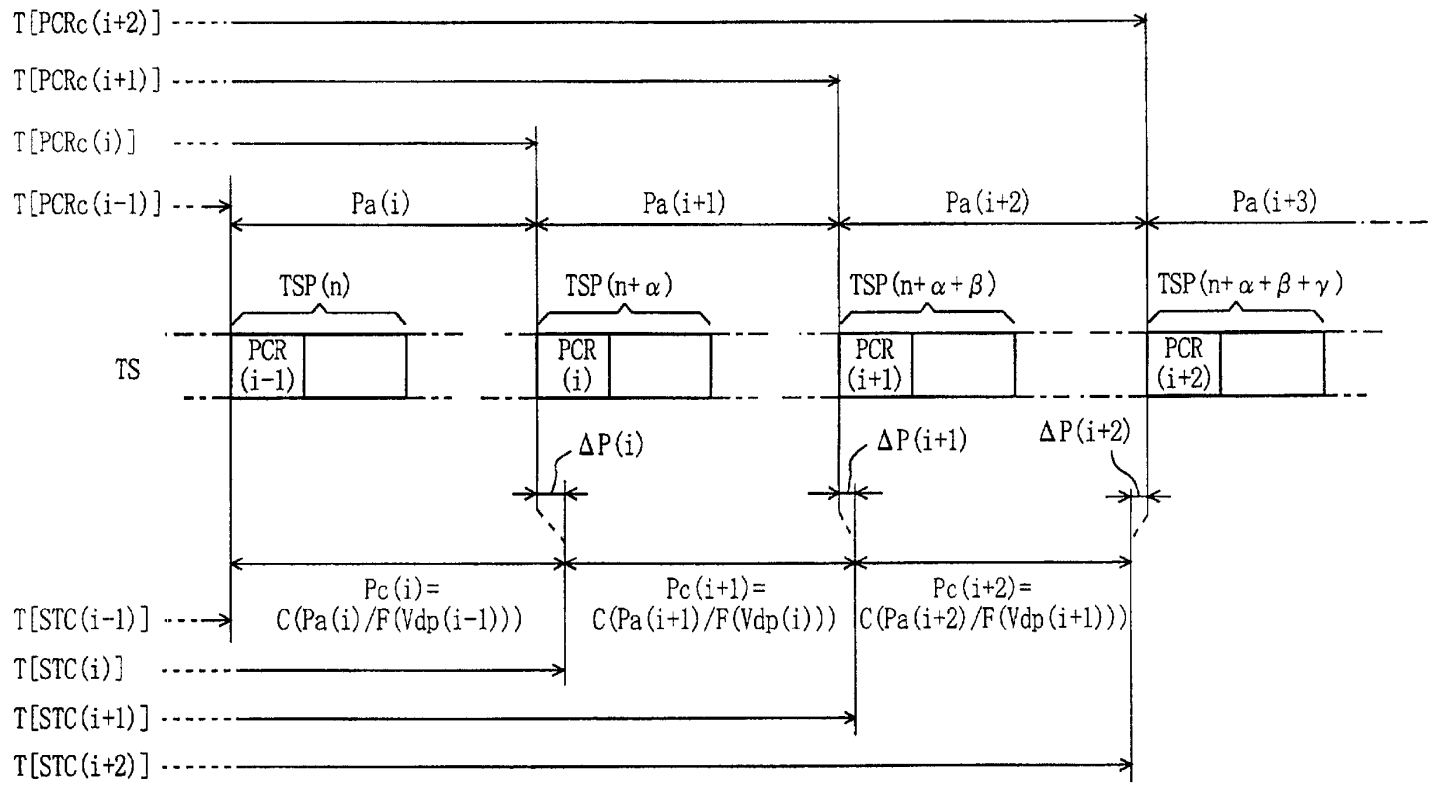
FIG. 8



$T[STC(i)] = T[STC(i-1)] + Pc(i)$

$Pc(i) = C(Pa(i)/F(Vdp(i-1))$

FIG. 9



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